MCP with OTEL

Benno van den Berg

Who am I?

- Benno van den Berg
- Worked in various observability roles for about 10 years
- Currently working at Fiberplane

What is MCP?

> The Model Context Protocol (MCP) is an open protocol that enables seamless integration between LLM applications and external data sources and tools.

```
+-----+     +-----+     +--------------------+
| LLM | --> | MCP | --> | data sources / tool |
+-----+     +-----+     +--------------------+
```
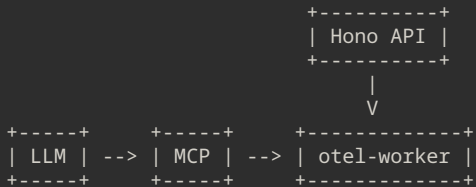
Transport

- SSE
- STDIO

Data

- Resources
- Prompts
- Tools

```
                    +----------+
                    | Hono API |
                    +----------+
                         |
                         V
+-----+     +-----+   +-------------+
| LLM | --> | MCP | --> | otel-worker |
+-----+     +-----+   +-------------+
```

```
import { instrument } from "@fiberplane/hono-otel";

const app = new Hono<{ Bindings: Bindings }>();

// ...

export default instrument(app);
```

Demo

```
                                +-------------+
                                | Fashion API |
                                +-------------+
                                       |
                                       V
+--------+      +-----+      +-------------+
| Cursor | --> | MCP | --> | otel-worker |
+--------+      +-----+      +-------------+
```